



RoHS

CE

# TorqueLab® LTT Series

Torque, Angle & Force Analyzer  
with ARCII Technology

## KEY FEATURES

- Accuracy ± 0.5% of reading from 20% to 100% of full scale.
- Accuracy ± 1% of reading from 10% to 20% of full scale.
- Recommended for all hand screwdrivers, wrenches, or power tools.
- Features a built-in transducer and can connect to an external torque sensor.
- Provides "EZ-Plug & Play" with Mountz torque sensors. Features "ARCII" technology, an instant auto-recognition system of the sensors connected to the LTT.
- Selection of six operation modes:  
Track, Peak, First Peak, Audit, Spindle Audit, and Torque + Angle
- Seven units of torque measurements:  
ozf.in, lbf.in, lbf.ft, cN.m, N.m, kgf.m, kgf.cm
- Two units of force measurement: lbf and kN
- Features built-in Tool Tests operation.
- Three PC Windows based software programs:  
**Mountz Torque Meter Interface Program**  
for sensor calibrations, meter calibration and tool tests.  
**Torque Meter Bootloader**  
for updating the LTT operating systems.  
**Excel Add-In**  
for Real-Time data collection into an Excel spreadsheet.  
It provides statistics calculations.

"Flash" memory allows upgrades to be done by the user in the field & internet through the USB port.

Five low-pass filters: 3000, 2000, 1500, 500, and 200Hz

Six-digit display and easy to read menu structure.

Real Time Clock for time stamping of readings.

USB interface to download readings to PC.

High Capacity Li-ion Batteries for long life (30 hours with standard torque sensors and 16 hours with brushless rotary sensors).

Can connect to most mv/v sensors and can store calibration data for up to 50 non-smart torque sensors.

The 5VDC capability allows unit to be used with a brushless rotary torque sensor for testing pulse tools and high RPM tools.

Torque and Angle data is displayed simultaneously when used with torque and angle sensors, up to 8000 RPM for angle measurement.

Stores a total of 5000 data points.

Real time graph of torque vs. time using associated PC Windows software.

Features Go / No Go LEDs that illuminate when high or low setting is achieved.

| Model   | Item # | Torque Ranges   |                    |                   | Drive Size | Wt.    |
|---------|--------|-----------------|--------------------|-------------------|------------|--------|
|         |        | American        | S.I.               | Metric            |            |        |
| LTT10i  | 068400 | 1 - 10 lbf.in   | 11.3 - 113 cN.m    | 1.2 - 11.5 kgf.cm | 1/4" F/Sq  | 8 lbs. |
| LTT25i  | 068401 | 2.5 - 25 lbf.in | 28.25 - 282.5 cN.m | 2.9 - 28.8 kgf.cm | 1/4" F/Sq  | 8 lbs. |
| LTT50i  | 068402 | 5 - 50 lbf.in   | 56.5 - 565 cN.m    | 5.8 - 57.6 kgf.cm | 1/4" F/Sq  | 8 lbs. |
| LTT100i | 068403 | 10 - 100 lbf.in | 113 - 1130 cN.m    | 11.5 - 115 kgf.cm | 1/4" F/Sq  | 8 lbs. |
| LTT250i | 068404 | 25 - 250 lbf.in | 282.5 - 2825 cN.m  | 28.8 - 288 kgf.cm | 1/4" F/Sq  | 8 lbs. |
| LTT50F  | 068405 | 5 - 50 lbf.ft   | 6.8 - 67.8 N.m     | 0.7 - 6.9 kgf.m   | 3/8" F/Sq  | 8 lbs. |
| LTT100F | 068406 | 10 - 100 lbf.ft | 13.56 - 135.6 N.m  | 1.4 - 13.8 kgf.m  | 1/2" F/Sq  | 8 lbs. |
| LTT250F | 068407 | 25 - 250 lbf.ft | 33.9 - 339 N.m     | 3.5 - 34.5 kgf.m  | 1/2" F/Sq  | 8 lbs. |

## ACCESSORIES INCLUDED

| Description                    | Item #        |
|--------------------------------|---------------|
| Universal Charger (100-240VAC) | 770301        |
| USB Cable                      | 770319        |
| Run Down Adapter               | See Pg. 01.16 |
| Mountz Software Programs -     |               |
| Battery Pack                   | 072506        |

## ACCESSORIES OPTIONAL

| Description                              | Item # |
|--|--------|
| Multiplexer                              | 072998 |
| Bar Code Reader                          | 072997 |
| Mounting Bracket (for LTT model 10i-50F) | 072608 |
| Mounting Bracket (for all LTT models)    | 072606 |

## CABLE CHART

| Torque Sensor     | Item # |
|-------------------|--------|
| RTSX-A            | 072000 |
| All BLRTSX models | 072001 |
| BMX               | 072002 |
| MTX               | 072003 |
| SDX               | 072004 |
| RTSX              | 072005 |



**CERTIFIED**

Supplied with **Free** ISO 17025 Certification of Calibration.



**NOTE!**

Since a tester cannot always duplicate actual joint characteristics, the torque reading displayed on the LTT may vary from the actual torque that a tool will apply to a joint. When critical assemblies are involved, the torque output of the power tool being used should be verified on the actual assembly using a calibrated measuring torque tool.